

IN THE CLAIMS

1 (Currently Amended). A method comprising:

biasing a first plate of a spatial light modulator with alternating positive and negative bias potentials in alternating frames by using signals of a first polarity during a positive cycle of liquid crystal modulation and a second polarity during a negative cycle of liquid crystal modulation; and

biasing a second plate of said spatial light modulator with only the second polarity during both the positive and negative cycles of liquid crystal modulation.

2 (Original). The method of claim 1 including biasing a top plate and a pixel electrode.

3 (Original). The method of claim 2 including biasing said top plate to a negative voltage.

4 (Original). The method of claim 3 including maintaining said pixel electrode at a positive voltage.

5 (Original). The method of claim 4 including biasing said pixel electrode across its full dynamic range.

6 (Original). The method of claim 1 including alternately biasing the top plate negatively and positively.

7 (Currently Amended). A spatial light modulator comprising:

a top plate;

a liquid crystal layer;

a pixel electrode, said top plate and said pixel electrode sandwiching said liquid crystal layer; and

a drive circuit to apply positive and negative bias potentials in alternating frames, said circuit to apply positive potential during a negative cycle of liquid crystal modulation and apply negative potential during a positive cycle of liquid crystal modulation to said top plate and

to bias the pixel electrode with only a positive potential during both the positive and negative cycles of liquid crystal modulation.

8 (Original). The spatial light modulator of claim 7 including a drive circuit to apply a negative bias potential to said top plate.

9 (Original). The spatial modulator of claim 7 wherein said spatial light modulator is a liquid crystal over silicon spatial light modulator.

Claim 10 (Canceled).

11 (Original). The spatial light modulator of claim 8 wherein said top plate is formed of indium tin oxide.

Claims 12-15 (Canceled).